EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3232461	stream or flow or effluent or reactant or product	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:54
L2	1342715	recycle or recycled or recycling or return or returned	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:55
L3	131723	1 near5 2	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:55
L4	210827	humidi$	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:56
L5	345	3 with 4	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:56
L6	1854155	product or effluent	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:57
L7	40155	2 near5 6	US-PGPUB; USPAT	ADJ	ON	2007/04/15 10:57
L8	44	7 with 4	US-PGPUB; USPAT	ADJ	ON	2007/04/15 11:02
L9	219	effluent with (completion or limit or standard) with recycle$	US-PGPUB; USPAT	ADJ	ON	2007/04/15 11:03
S1	1	"6723888".pn.	US-PGPUB; USPAT	ADJ	ON	2007/04/11 13:08
S2	13	("3778424" | "4182813" | "4182814" | "4472559" | "4705654" | "5109082" | "5346971" | "5548045" | "5955553" | "6096840" | "6117956" | "6514634").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:14
S3	3	humidification near3 (system or method) same polymerization	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:16
S4	424	(humidif$ or saturat$) with (vessel) same polymerization	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:19
S5	2711	(humidif$ or saturat$) with (system or method) same polymerization	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:21
S6	363	(humidif$ or saturat$) with (system or method) same polymerization same (butadiene or polybutadiene or Ziegler-Natta)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:35
S7	261	((humidif$ or saturat$) with (hydrocarbon)) and (ceramic or porcelain) with (sphere or spherical)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:37

EAST Search History

S8	12	((humidif$ or saturat$) with (hydrocarbon)) same (ceramic or porcelain) with (sphere or spherical)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:40
S9	24	("3615850" | "4362788" | "4365006" | "4530886" | "4670359" | "4743517" | "5605770" | "5768906" | "6045933" | "6045934" | "6063515" | "6171718" | "6221117" | "6274259" | "6277508" | "6312842" | "6331366" | "6361891" | "6376114" | "6383670" | "6413662" | "6416892").PN. OR ("6514634").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:48
S10	6	"4705654"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:50
S11	3469	humidif$ adj2 (gas or fuel or hydrocarbon)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:51
S12	195	humidif$ adj2 (gas or fuel or hydrocarbon) and polymerization	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:51
S13	127	humidif$ adj2 (gas or fuel or hydrocarbon).ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 13:51
S14	127	(humidif$ adj2 (gas or fuel or hydrocarbon)).ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:04
S15	11	(("3778424") or ("4182813") or ("4182814") or ("4472559") or ("5109082") or ("5346971") or ("5548045") or ("5955553") or ("6096840") or ("6117956") or ("6514634")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/11 14:38
S19	5187	(ceramic or porcelain) (ball or sphere or spherical)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:05
S21	17518	(ceramic or porcelain) with (ball or sphere or spherical)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:59
S22	1	S21 and S14	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:20
S23	634	585/3.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:26

S24	252	585/15.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:27
S25	413265	ceramic or porcelain	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:27
S26	579154	ceramic or porcelain or alumina	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:45
S27	19	S26 and S14	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:28
S28	31	("0942712" | "2664604" | "3486697" | "3532270" | "3630956" | "3830478" | "3925109" | "4066399" | "4098853" | "4244904" | "4272014" | "4317687" | "4385910" | "4425914" | "4541966" | "4547228" | "4618462" | "4829763" | "4888786" | "4913140" | "4989840" | "5004489" | "5056511" | "5062145" | "5249740" | "5495875").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:43
S29	0	261/18.1,18.2,18.3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:44
S30	1932	261/18.1,18.2,18.3.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:44
S32	15	S26 and S30	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:53
S33	63	S14 not fuel cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:53
S34	13	("20020110714" | "3952181" | "4436674" | "4705936" | "4711294" | "4909436" | "6115539" | "6135433" | "6182951" | "6299147" | "6715743" | "6787254" | "6863268").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:55
S35	813	(ceramic or porcelain or alumina) with (increased or increase or increasing or decreas$) near3 (diameter or radius or width)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:57
S36	12	S35 same vessel	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 15:57

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S37	16332	(ceramic or porcelain or alumina) near4 (ball or sphere or spherical)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:12
S38	77068	(increasing or increase or improve or increased) near2 contact	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:01
S39	40	S37 same S38	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:01
S40	3	upflow and S38 and S37	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:06
S41	17	("3598539").URPN.	USPAT	ADJ	ON	2007/04/11 16:11
S42	2178591	small or smaller	USPAT	ADJ	ON	2007/04/11 16:11
S43	809	S42 near5 bottom near3 layer	USPAT	ADJ	ON	2007/04/11 16:12
S44	1	S37 same S43	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:13
S45	7	S37 and S43	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:19
S46	895	261/18.2.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:21
S47	557	S46 not engine	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:44
S48	428	humidif$ process	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:46
S49	0	vessel same water same hydrocarbon same (recycle or return) same humidif$ same diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:48
S50	2	vessel same water same hydrocarbon same (recycle or return) same humidif$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:49
S51	770	vessel and water and hydrocarbon and (recycle or return) and humidif$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:50
S52	241	vessel and water and hydrocarbon and (recycle or return) and humidif$ and (ceramic or porcelain)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 16:50
S53	91	vessel and water and hydrocarbon and (recycle or return) and humidif$ and (ceramic or porcelain) and diameter	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:05

S54	3276	422/177,190.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:05
S55	296081	(particle or sphere or ball or bead) with (smaller or larger or increasing or decreasing or increase or decrease)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:07
S56	0	55and S54	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:07
S57	401	S55 and S54	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:17
S58	175	S57 not exhaust	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:17
S59	11	(("3778424") or ("4182813") or ("4182814") or ("4472559") or ("5109082") or ("5346971") or ("5548045") or ("5955553") or ("6096840") or ("6117956") or ("6514634")).PN.	US-PGPUB; USPAT	OR	OFF	2007/04/11 17:33
S60	296081	(particle or sphere or ball or bead) with (smaller or larger or increasing or decreasing or increase or decrease)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/11 17:34
S61	39	vessel same upflow same S60	US-PGPUB; USPAT	ADJ	ON	2007/04/11 17:38
S62	152	flow near2 (distribut$) same (small$ or decreas$) near4 (lower or bottom)	US-PGPUB; USPAT	ADJ	ON	2007/04/11 17:40
S63	14	flow distribution with upflow	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:37
S64	806253	(mix or mixing)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:40
S65	703801	vessel or tank	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:42
S66	4981	upflow	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:42
S67	968724	ceramic or inert or porcelain or alumina or silica	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:42
S68	1297434	ball or sphere or bead or particle	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:43
S69	89058	S67 near3 S68	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:43
S70	37308	S64 near4 S65	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:43

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S71	11	S70 with S66	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:45
S72	199	S69 same S70	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:59
S73	2	S72 same S66	US-PGPUB; USPAT	ADJ	ON	2007/04/12 07:45
S74	3132455	smaller or small or ((decrease or decreasing or increase or increasing) near4 (diameter or size))	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:02
S75	242971	S74 with S68	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:01
S76	341895	((decrease or decreasing or increase or increasing) near4 (diameter or size))	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:02
S77	24881	S76 with S68	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:02
S78	1142	S77 with (bottom or lower)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:02
S79	40	S78 same distribution same flow	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:04
S80	25	S79 not arnaud.in.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:09
S81	389	422/176.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:17
S82	191	96/152.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:18
S83	442	422/310.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:20
S84	205	422/311.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:10
S85	110	422/312.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 08:20
S86	67563	(size or diameter) with (layer or bed) with (large or larger or small or smaller or increasing or increase or decrease or decreasing)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:43
S87	22993	S86 and "422".clas. or "96".clas. or "502.clas"	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:34
S88	93154	"422".clas. or "96".clas. or "502. clas"	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:46
S89	1938	S86 same (ceramic or porcelain)	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:44
S90	98	S88 and S89	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:44

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S91	122349	"422".clas. or "96".clas. or "502. clas" or "585".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:46
S92	104	S89 and S91	US-PGPUB; USPAT	ADJ	ON	2007/04/12 09:46
S93	37	("2435781" | "2657121" | "2915375" | "2925331" | "3431084" | "3479146" | "3498755" | "3545939" | "3560167" | "3598539" | "4285910" | "4579647" | "4660385" | "4705621" | "4708852" | "4743433" | "5169413" | "5298226").PN. OR ("5538544"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 09:57
S94	22	(separation with hydrocarbon) same S86	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:01
S95	2153963	water or "H.sub.2O"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:51
S96	3542024	separate or separated or separation	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:02
S97	915075	hydrocarbon or fuel	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:03
S98	569348	hydrocarbon	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:03
S99	9342	S95 with S96 with S98	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:05
S100	3	S99 with S86	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:04
S101	4185	S95 near6 S96 near6 S98	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:06
S102	4	S101 same S86	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:15
S103	31142	packing near2 material	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:15
S106	149123	entrain or entrainment or entraining or entrained	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:17

S10 7	14962	S106 near3 S95	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:18
S10 8	6791	dispersion near4 flow	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:18
S10 9	117	S103 with S106	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:19
S11 0	6	S103 with S107	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 10:25
S11 1	3	S108 near8 S103	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:33
S11 2	22	vessel and packing material and water inlet and water level	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:45
S11 3	7757	(increase or increasing or increased) near3 S95 near2 content	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:52
S11 4	1141164	hydrocarbon or fuel or pentane or hexane or heptane or gasoline or diesel or petroleum	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:48
S11 5	205	S113 with S114	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:48
S11 6	2289086	water or "H.sub.2O" or moisture	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:51
S11 7	12566	(increase or increasing or increased) near3 S116 near2 content	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:53
S11 8	7755	S113 with S117	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:53
S11 9	268	S114 with S117	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:55
S12 0	212	S119 not fuel cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/12 11:55
S12 1	40397	(packed or packing) near3 (material or bed)	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:48
S12 2	16503	smaller near4 bottom	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:46

S12 3	3	S121 near9 S122	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:46
S12 4	3	S121 with S122	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:46
S12 5	20963	larger near3 above	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:47
S12 6	7	S125 near9 S121	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:48
S12 7	727117	ceramic or porcelain or inert	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:44
S12 8	3952868	larger or smaller or increasing or increased or increase or decrease or decreasing or decreased	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:50
S12 9	70	S121 near9 S128 with S127	US-PGPUB; USPAT	ADJ	ON	2007/04/13 07:54
S13 0	180	packed bed near9 layer	US-PGPUB; USPAT	ADJ	ON	2007/04/13 08:44
S13 1	539	inert packing	US-PGPUB; USPAT	ADJ	ON	2007/04/13 08:36
S13 2	32	S131 with layer	US-PGPUB; USPAT	ADJ	ON	2007/04/13 08:33
S13 3	30606	"585".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 08:36
S13 4	73469	"422".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 08:36
S13 5	241	210/807.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 09:01
S13 6	2016	catalyst support material	US-PGPUB; USPAT	ADJ	ON	2007/04/13 09:01
S13 7	43	S136 and UOP.as.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 09:10
S13 8	239	210/661.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:33
S13 9	0	21/263.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:33
S14 0	393	210/263.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:42
S14 1	33205	"366".clas.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:03
S14 2	29	flow dispersion and S141	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:43
S14 3	1297434	ball or sphere or particle or bead	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:44

S14 4	29072	S127 near2 S143	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:44
S14 5	89	S144 and S141	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:53
S14 6	121	moisture with (saturating or saturated or saturate) with hydrocarbon	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:54
S14 7	61	moisture with (saturating or saturated or saturate) with fuel	US-PGPUB; USPAT	ADJ	ON	2007/04/13 11:54
S14 8	729360	ball or sphere or bead	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:03
S14 9	2236	S141 and S148	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:17
S15 0	73	water same humidification same hydrocarbon	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:17
S15 1	8	packing and S150	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:21
S15 2	3	(humidification and hydrocarbon).ti.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:22
S15 3	227	humidification.ti.	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:22
S15 4	3	S152 not fuel cell	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:22
S15 5	161	S153 not fuel cell	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:24
S15 6	78	S155 and liquid	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:26
S15 7	258064	natural gas or lpg or methane or ethane or propane	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:26
S15 8	199245	bubble or bubbling	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:27
S15 9	1564473	water or "H.sub.2O"	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:27
S16 0	128	S157 with S158 with S159	US-PGPUB; USPAT	ADJ	ON	2007/04/13 12:27

S16 1	39	("20030168211" | "20030173275" | "20030173276" | "20030173288" | "2735547" | "3289608" | "3447511" | "3507397" | "3512651" | "3568837" | "3623608" | "3947364" | "3986954" | "4237006" | "4790942" | "5000848" | "5021165" | "5071542" | "5131757" | "5139662" | "5362395" | "5451349" | "5478484" | "5647977" | "5794791" | "5882530" | "5944998" | "6024874" | "6032931" | "6080317" | "6106713" | "6165365" | "6168724" | "6669843").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:38
S16 2	137198	entrain or entrained or entraining	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:38
S16 3	2361577	remove or removal	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:39
S16 4	2763662	remove or removal or removing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:39
S16 5	1458	S162 near4 S164 near4 S159	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:39
S16 6	3	S165 same packed bed	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:40
S16 7	15	S165 same packing	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:48
S16 8	594	261/66.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 12:54
S16 9	225	gas same water same humidi$ same bubbl$ same inlet	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 13:49
S17 0	18	gas and bubbling and water level and propane and particulates	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 13:51
S17 1	44	gas and bubbling and water level and propane	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 13:54

S17 2	12	(US-5538544-$ or US-6123324-$ or US-6723888-$ or US-4469599-$ or US-4967673-$ or US-3948810-$ or US-6514634-$ or US-5432020-$ or US-5776351-$ or US-4579599-$ or US-5993672-$).did. or (US-3598539-$).did.	USPAT; USOCR	ADJ	ON	2007/04/13 14:37
S17 3	10	water and S172	USPAT; USOCR	ADJ	ON	2007/04/13 13:52
S17 4	8	gas and bubbler and water level and propane	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 13:54
S17 5	31	("0942712" | "2664604" | "3486697" | "3532270" | "3630956" | "3830478" | "3925109" | "4066399" | "4098853" | "4244904" | "4272014" | "4317687" | "4385910" | "4425914" | "4541966" | "4547228" | "4618462" | "4829763" | "4888786" | "4913140" | "4989840" | "5004489" | "5056511" | "5062145" | "5249740" | "5495875").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 13:57
S17 6	160	bubbler and S127 near2 S143	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:06
S17 7	251648	bubble or bubbling or bubbler	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:06
S17 8	715	moisture analyzer	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:06
S17 9	826	moisture near2 analyzer	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:07
S18 0	613	S177 same S143 near3 S127	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:09
S18 1	11	S180 and bypass	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:11
S18 2	0	S180 and S178	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:11
S18 3	0	S180 and S179	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:12

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S18 4	1200	(bubble or bubbler or bubbling) and water and analyz$ and controller and humidi$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:13
S18 5	660	(bubble or bubbler or bubbling) and water and analyz$ and controller and humidi$ and (ball or sphere or bead)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:13
S18 6	305	(bubble or bubbler or bubbling) and water and analyz$ and controller and humidi$ and (ball or sphere or bead) and moisture	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:16
S18 7	2	moisture near2 analyzer with control same bypass	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:23
S18 8	2584	bubble near4 through near4 water	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:24
S18 9	112	moisture same S188	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 14:24
S19 0	0	261/dig34.ccls.	USPAT; USOCR	ADJ	ON	2007/04/13 14:37
S19 1	0	261/dig40.ccls.	USPAT; USOCR	ADJ	ON	2007/04/13 14:38
S19 2	0	261/DIG40.ccls.	USPAT; USOCR	ADJ	ON	2007/04/13 14:38
S19 3	81	261/DIG.40.ccls.	USPAT; USOCR	ADJ	ON	2007/04/13 14:38
S19 4	1254	261/DIG.34.ccls.	USPAT; USOCR	ADJ	ON	2007/04/13 14:40
S19 5	179	261/129.ccls.	USPAT; USOCR	ADJ	ON	2007/04/13 14:40
S19 6	171	S195 not respiratory	USPAT; USOCR	ADJ	ON	2007/04/13 14:42
S19 7	145	bypass near4 control same humidi$	USPAT; USOCR	ADJ	ON	2007/04/13 16:20
S19 8	1	"5650128".pn.	USPAT; USOCR	ADJ	ON	2007/04/13 16:20

S19 9	52	("2537091" | "2610411" | "2656008" | "3251656" | "3706445" | "3999936" | "4058147" | "4134271" | "4176152" | "4688495" | "4722662" | "4746290" | "4766822" | "4815398" | "4823711" | "4862813" | "4892664" | "4907964" | "4925389" | "4951743" | "4961391" | "4974528" | "4983364" | "5050603" | "5098481" | "5165884" | "5203370" | "5215075" | "5228803" | "5238658" | "5277545" | "5282695" | "5291859" | "5295448" | "5320518" | "5344313" | "5427746").PN. OR ("5650128").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:31
S20 0	31	("0942712" | "2664604" | "3486697" | "3532270" | "3630956" | "3830478" | "3925109" | "4066399" | "4098853" | "4244904" | "4272014" | "4317687" | "4385910" | "4425914" | "4541966" | "4547228" | "4618462" | "4829763" | "4888786" | "4913140" | "4989840" | "5004489" | "5056511" | "5062145" | "5249740" | "5495875").PN. OR ("6123324"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:32
S20 1	18	(humidification or humidifier) with propane	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:34
S20 2	103	(humidification or humidifier or humidity) with propane	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:34
S20 3	85	S202 not S201	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:43
S20 4	82	humidity near5 control same hydrocarbon	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:48
S20 5	528	bubbler same S143	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 16:51
S20 6	474	261/126.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:03
S20 7	241	261/53.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:04

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S20 8	781	261/62.ccls.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:20
S20 9	1	"4705654".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:20
S21 0	28	("1910199" | "2002019" | "2189173" | "2545028" | "2825210" | "3230055" | "3271969" | "3274752" | "3292998" | "3499734" | "3833205" | "4023949" | "4435339").PN. OR ("4705654"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:26
S21 1	0	(humidi$ and ball).ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:26
S21 2	224	(humidi$ and gas).ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:27
S21 3	179	S212 not fuel cell	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/13 17:37
S21 4	45604	bubble or bubbler or bubbling or bubbled	EPO; JPO	ADJ	ON	2007/04/13 17:37
S21 5	772907	water or "H.sub.2O"	EPO; JPO	ADJ	ON	2007/04/13 17:37
S21 6	82905	hydrocarbon	EPO; JPO	ADJ	ON	2007/04/13 17:38
S21 7	84	S214 and S215 and S216	EPO; JPO	ADJ	ON	2007/04/13 17:52
S21 8	607	humidi$ and hydrocarbon	EPO; JPO	ADJ	ON	2007/04/13 17:52
S21 9	3	humidi$ and hydrocarbon and vessel	EPO; JPO	ADJ	ON	2007/04/13 17:53
S22 0	4	humidi$ and hydrocarbon and packing	EPO; JPO	ADJ	ON	2007/04/13 17:55
S22 1	2	humidi$ and (natural gas) and packing	EPO; JPO	ADJ	ON	2007/04/13 17:55
S22 2	14	humidi$ and (natural gas)	EPO; JPO	ADJ	ON	2007/04/13 17:55
S22 3	14	humidi$ and (natural gas)	EPO; JPO	ADJ	ON	2007/04/14 11:12
S22 4	216	humidi$ with (natural gas)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/14 11:20

S22 5	24	"171164"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/14 11:20
S22 6	0	porcelain with (durability or durable) same packing	US-PGPUB; USPAT	ADJ	ON	2007/04/14 13:58
S22 7	35	packing material with porcelain	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:10
S22 8	884	porcelain near3 (ball or sphere or bead)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:03
S22 9	2	S228 same gas near3 liquid	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:06
S23 0	253	porcelain with (corrosive or corrosion)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:07
S23 1	3	S230 same gas same liquid	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:08
S23 2	5	S230 same durable	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:08
S23 3	10	packed bed with porcelain	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:38
S23 4	1	"4705654".pn.	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:45
S23 5	413	humidi$ same (return or recycle) near5 (line or stream)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:46
S23 6	144	humidi$ with (return or recycle) near5 (line or stream)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:49
S23 7	283	humidi$ with control with (return or recycle)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 14:51
S23 8	6	humidi$ with control with (recycle)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:05
S24 0	168	humidi$ with (recycle)	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:05
S24 1	33	humidi$ with (recycle) same control	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:06
S24 2	27	S241 not S238	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:10
S24 3	21	humidi$ near3 control same recycle	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:11
S24 4	16	S243 not S242	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:16
S24 5	1060	236/44R.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:27
S24 6	370	236/44A.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:17

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S247	1362	S245 or S246	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:17
S248	8657	recycle stream	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:17
S249	0	S248 and S247	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:17
S250	1	recycle and S247	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:17
S251	284	humidi$ near3 maintain near5 constant	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:28
S252	2	humidi$ near3 maintain near5 constant same recycle	US-PGPUB; USPAT	ADJ	ON	2007/04/14 15:28
S253	4	("4608245" | "4968787" | "5256173" | "6007636").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/04/14 15:29